

# Grade 4 · Decimal Fractions and Decimal Notation · Test

Common Core 4.NF.C.5, 4.NF.C.6, 4.NF.C.7 · mathovore.fr

Name: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_ Score: \_\_\_\_\_

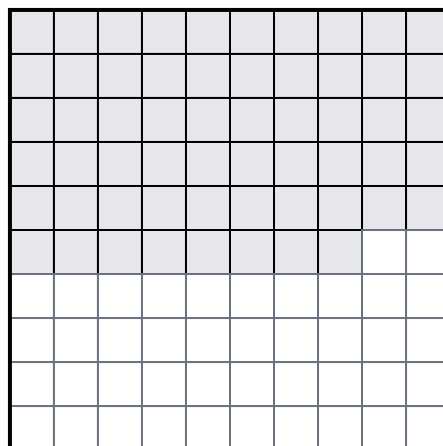
This test has 9 questions worth 20 points. Show your work, write decimals with the digits in the correct places, and use the symbols  $<$ ,  $>$ , and  $=$  when comparing. Calculators are not allowed.

## Test information

- **Grade:** Grade 4
- **Chapter:** Decimal Fractions and Decimal Notation
- **Common Core:** 4.NF.C.5, 4.NF.C.6, 4.NF.C.7
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 2 pts; Question 7: 3 pts; Question 8: 3 pts; Question 9: 2 pts)

## Question 1: Shaded grid (2 points)

The grid has 100 equal squares.



58 squares are shaded.

- Write the shaded part as a fraction. (1 point)
- Write the shaded part as a decimal. (1 point)

### Question 2: Fractions to decimals (2 points)

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Write each fraction as a decimal.

- a.  $\frac{7}{10}$  (1 point)
- b.  $\frac{7}{100}$  (1 point)

### Question 3: Decimals to fractions (2 points)

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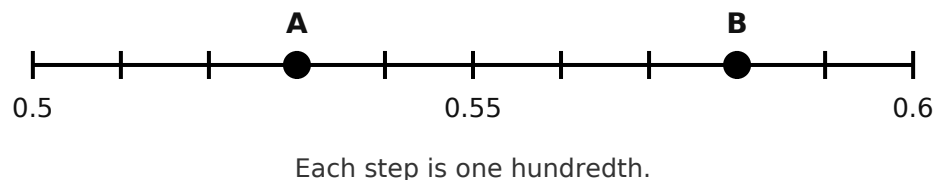
Write each decimal as a fraction.

- a. 0.3 (1 point)
- b. 0.46 (1 point)

### Question 4: Decimals on a number line (2 points)

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Write the decimal for each point.



- a. Point A (1 point)
- b. Point B (1 point)

### Question 5: Adding fractions (2 points)

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Find each sum. Write it as a decimal.

- a.  $\frac{6}{10} + \frac{7}{100}$  (1 point)
- b.  $\frac{4}{10} + \frac{35}{100}$  (1 point)

### Question 6: Compare decimals (2 points)

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Write  $<$ ,  $>$ , or  $=$  to compare.

- a.  $0.7$   $\_$   $0.69$  (1 point)
- b.  $0.08$   $\_$   $0.1$  (1 point)

### Question 7: Rainfall (3 points)

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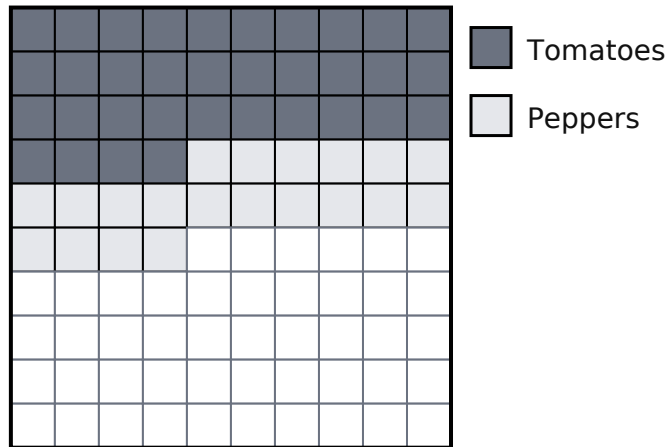
The rain at Lake Park was 0.4 inch on Wednesday, 0.35 inch on Thursday, and 0.04 inch on Friday.

- Write the three amounts in order from least to greatest. (2 points)
- How much rain fell on Wednesday and Thursday together? (1 point)

### Question 8: Garden squares (3 points)

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Maya's garden has 100 equal squares. Tomatoes grow in the dark squares and peppers in the light gray squares.



- Write the part of the garden with tomatoes as a decimal. (1 point)
- Write the part with peppers as a fraction with denominator 10 and as a decimal. (1 point)
- What decimal part of the garden has tomatoes or peppers? (1 point)

### Question 9: Place value (2 points)

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Look at the number 4.63.

- What is the value of the digit 6? (1 point)
- Fill in the blanks:  $4.63 = 4 + \frac{\quad}{10} + \frac{\quad}{100}$  (1 point)